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AUG 04 2006

PATENT APPLICATION
Docket No: 16169.25.5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
)
	Yusai Murakami et al.)
)
Serial No.:	10/567,799) Art Unit
) Unknown
Confirmation No.:	Unknown)
)
Filed:	February 9, 2006)
)
For:	METHOD AND APPARATUS FOR)
	CORRECTING VOLTAGE OF SECONDARY)
	BATTERY, AND METHOD AND APPARATUS)
	FOR ESTIMATING STATE OF CHARGE OF)
	SECONDARY BATTERY)
)
Customer No.:	022913)

REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, the undersigned, [Yoshiro HAYASHI], state that I am the [President] of Panasonic EV Energy Co., Ltd. and that I am authorized to execute this Revocation and Substitute Power of Attorney on behalf of Panasonic EV Energy Co., Ltd.

I further state that Panasonic EV Energy Co., Ltd. is the assignee of the entire interest of the U.S. patent applications and/or patents listed in Exhibit A, as shown by the assignments recorded in the U.S. Patent and Trademark Office at the Reel and Frame numbers identified in Exhibit A for said patent applications and/or patents. The patent applications and/or patents identified in Exhibit A include each of the patent cases (hereinafter the "above-identified patent application") in which this document is now being filed in the U.S. Patent & Trademark Office.

The assignee, Panasonic EV Energy Co., Ltd., hereby revokes all previous powers of attorney in the above-identified patent application, and now hereby appoints all attorneys under:

CUSTOMER NUMBER: 022913

of WORKMAN NYDEGGER as attorney with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith.

All correspondence and telephonic communication should be directed to:

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at the address associated with the above-identified customer number.

This Revocation and Substitute Power of Attorney and Statement under 37 C.F.R. 3.73(b)(1) is effective for the above-identified patent application, and all patent applications and/or patents identified in Exhibit A, and I authorize the attorneys of WORKMAN NYDEGGER to file this document at the U.S. Patent & Trademark Office for all patent applications and/or patents identified in Exhibit A.

Signed this 14th day of July, 2006.

By:



[Yoshiro HAYASHI]

[President]

Panasonic EV Energy Co., Ltd.

[555, Sakaijuku, Kosai-shi, Shizuoka 431-0452 Japan]

EXHIBIT A**Patent Applications and/or Patents Subject to Revocation and Substitute Power of Attorney and Statement under 37 C.F.R. 3.73(b)(1)**

A chain of title of the following U.S. Patent Applications and/or Patents to Panasonic EV Energy Co., Ltd. is recorded at the Reel and Frame numbers identified below.

Workman Nydegger Ref. No.	Hamre, Schumann, Mueller & Larson Ref. No.	Application No. / Patent No.	Filing Date/ Issue Date	Reel & Frame Number of Assignment(s) Showing Chain of Title
16169.25.1	10873.1365USWO	10/487,104	17-Feb-04	Reel 015600, Frame 0911
16169.25.2	10873.1435USWO	10/496,426	20-May-04	Reel 016236, Frame 0101
16169.25.3	10873.1434USWO	10/498,391 7,026,792	10-Jun-04 11-Apr-06	Reel 016141, Frame 0892
16169.25.4	10873.1483USWO	10/500,193 6,919,726	23-Jun-04 19-Jul-05	Reel 015818, Frame 0407
16169.25.5	10873.1864USWO	10/567,799	09-Feb-06	Reel 017566, Frame 0310
16169.25.6	10873.1852USWO	10/565,956	26-Jan-06	Reel 017513, Frame 0941
16169.25.7	10873.1544US01	10/953,013	29-Sep-04	Reel 015850, Frame 0831
16169.25.8	10873.1701US01	11/127,384	12-May-05	Reel 016558, Frame 0369
16169.25.9	10873.1772US01	11/227,535	15-Sep-05	Reel 016999, Frame 0352
16169.25.10	10873.1810US01	11/266,073 7,053,588	03-Nov-05 30-May-06	Reel 017194, Frame 0769
16169.25.11	10873.1850US01	11/340,255	26-Jan-06	Reel 017517, Frame 0830
16169.25.12	10873.1871US01	11/366,242	02-Mar-06	Reel 017642, Frame 0261